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ABSTRACT

<Claim> 1.

A constant voltage circuit is constructed in such a way that an alternative current input signal(AC in) which was inputted through a transformer(T1) is rectified and smoothed through a diode(D1) and a constant direct current output voltage(DC out) is outputted through a constant voltage device 10. For the constant voltage circuit, a circuit for reducing heat radiation in the constant voltage device is characterized by including a comparison unit 20, which compares the rectified and smoothed voltage of a A point with a standard voltage and outputs the result of the comparison, in order to determine whether the voltage of the A point needs to be dropped; a switching unit(30), which is switched so that the voltage of the A point, is dropped by a diode(D2) according to the output of the comparison unit 20; and a constant voltage device 10 which passes a current according to an output(C) of the switching unit 30 so that provides a stable voltage.

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